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## ABSTRACT

Various methods, apparatuses, and systems in which a chromatic dispersion compensation module includes a beam spatial orientation device to separate an optical signal into a first polarized light signal and a second polarized light signal. The second polarized light signal has the opposite polarization of the first polarized signal. A wavelength-dependant delay path couples to the beam spatial orientation device. A polarization rotator couples to the wavelength-dependant delay path such that the first polarized light signal reflects into the wavelength-dependant delay path in substantially the opposite direction of the second polarized light signal.